

Attorney Docket No.: DEX-0255
Inventors: Sun et al.
Serial No.: 10/016,634
Filing Date: October 31, 2001
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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1: (currently amended) An isolated colon cancer specific nucleic acid molecule comprising

(a) an isolated nucleic acid molecule comprising a nucleic acid sequence that encodes an amino acid sequence of SEQ ID NO:~~101~~ through 176 115;

(b) an isolated nucleic acid molecule comprising a nucleic acid sequence of SEQ ID NO: ~~1~~ through 100 18 or 19;

(c) an isolated nucleic acid molecule ~~that selectively hybridizes~~ having at least 99% sequence identity to the nucleic acid molecule of (a) or (b) and hybridizing under stringent conditions to the nucleic acid molecule of (a) or (b); or

(d) an isolated nucleic acid molecule having at least ~~60~~ 85% sequence identity over its entire length to the nucleic acid molecule of (a) or (b); or

(e) an isolated nucleic acid molecule which is an allelic variant of a nucleic acid of SEQ ID NO:18 or 19 encoding an amino acid sequence of SEQ ID NO:115;

wherein said isolated nucleic acid molecule is

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differentially expressed in colon cancer tissue.

Claims 2-3: (canceled)

Claim 4: (currently amended) The isolated colon cancer specific nucleic acid molecule according to claim 1, wherein the nucleic acid molecule is a mammalian nucleic acid molecule.

Claim 5: (currently amended) The isolated colon cancer specific nucleic acid molecule according to claim 4, wherein the nucleic acid molecule is a human nucleic acid molecule.

Claim 6: (canceled)

Claim 7: (original) A vector comprising the nucleic acid molecule of claim 1.

Claim 8: (original) A host cell comprising the vector according to claim 7.

Claim 9: (original) A method for producing a polypeptide encoded by the nucleic acid molecule according to claim 1, comprising the

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steps of (a) providing a host cell comprising the nucleic acid molecule operably linked to one or more expression control sequences, and (b) incubating the host cell under conditions in which the polypeptide is produced.

Claim 10-17 (canceled)

Claim 18: (new) The isolated colon cancer specific nucleic acid molecule of claim 1 comprising a nucleic acid sequence that encodes an amino acid sequence of SEQ ID NO:115.

Claim 19: (new) The isolated colon cancer specific nucleic acid molecule of claim 1 comprising a nucleic acid sequence of SEQ ID NO:18.

Claim 20: (new) The isolated colon cancer specific nucleic acid molecule of claim 1 comprising a nucleic acid sequence of SEQ ID NO:19.

Claim 21: (new) The isolated colon cancer specific nucleic acid molecule of claim 1 wherein the nucleic acid molecule of (c) has at least 99.5% sequence identity to the nucleic acid molecule of

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(a) or (b).

Claim 22: (new) The isolated colon cancer specific nucleic acid molecule of claim 1 wherein the nucleic acid molecule of (c) has at least 99.9% sequence identity to the nucleic acid molecule of (a) or (b).

Claim 23: (new) The isolated colon cancer specific nucleic acid molecule of claim 1 wherein the nucleic acid molecule of (d) has at least 90% sequence identity over the entire length to the nucleic acid molecule of (a) or (b).

Claim 24: (new) The isolated colon cancer specific nucleic acid molecule of claim 1 wherein the nucleic acid molecule of (d) has at least 95% sequence identity over the entire length to the nucleic acid molecule of (a) or (b).

Claim 25: (new) The isolated colon cancer specific nucleic acid molecule of claim 1 wherein the nucleic acid molecule of (d) has at least 99% sequence identity over the entire length to the nucleic acid molecule of (a) or (b).

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Claim 26: (new) The isolated colon cancer specific nucleic acid molecule of claim 1 wherein the nucleic acid molecule of (d) has at least 99.5% sequence identity over the entire length to the nucleic acid molecule of (a) or (b).

Claim 27: (new) The isolated colon cancer specific nucleic acid molecule of claim 1 wherein the nucleic acid molecule of (d) has at least 99.9% sequence identity over the entire length to the nucleic acid molecule of (a) or (b).